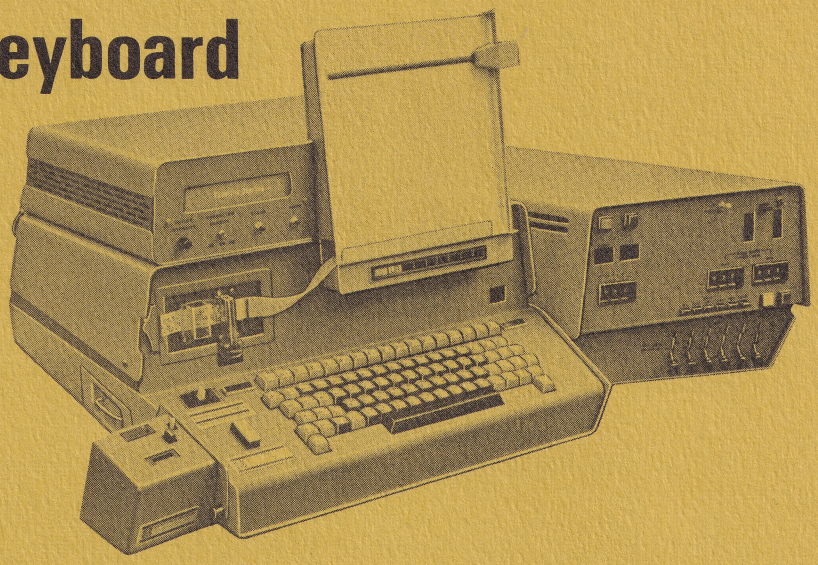
Electro/Set 475 Perforating Keyboard



The automatic counting keyboard with programmable memory and floating display

The Electro/Set 475 is an automatic counting keyboard with programmable multiple code keys and floating display, designed to meet the demands of today's high-speed, sophisticated typesetting machines.

The Electro/Set 475 Justifier is ideally suited for the setting of straight matter, sub-heads, ad guts, classified text, display composition, book work, directories and technical publications, encyclopedias and other complex text. And it can provide excellent back-up for a computer system. At fifty characters per second, it is the fastest and most efficient electronic keyboard available.

The programmable multiple code feature is an innovation in keyboard design. Each of 16 multiple code keys is capable of generating a string of 32 or 64 codes from a single keystroke. These keys are logically arranged in a single row above the top row of character keys — within touch typing reach. They reduce even the most complex typesetting control functions, repetitive matter, or computer commands to a single keystroke. Chances of error are significantly reduced and production time and costs are cut.

The conveniently located Floating Display provides the operator with a quick and easy way of verifying the punched codes without reading the perforated tape, thereby greatly increasing productivity.

The Floating Display offers a repertoire of 128 different symbols including all alpha characters in upper and lower case, numeric characters, punctuation, and necessary function codes. In addition, rail characters are underlined so the operator knows at a glance that the character is in bold face or italic.

Versatile

The Electro/Set 475 can store six fonts of twelve type faces in memory at one time regardless of matrix width, and deliver precise, accurate, and unrestricted mixing within any of these faces. Stored width data of the fonts can be easily changed using a program tape rather than printed circuit boards or counting magazines as found in conventional machines.

Simple to Operate

Justification, for the most part, is accomplished automatically with the Electro/Set 475 Counting Keyboard system. Operators no longer need be concerned about making line-ending decisions. The line is automatically terminated by "return" and "elevate" codes when a word space or hyphen is in the justifying range. However, the operator still has the capability of manually justifying.

An overset safety delete is truly automatic. When a line is overset, the Electro/Set 475 automatically deletes all characters back to the last space and then brings the tape back to the position for continued perforating. No keystrokes are required.

Corrections are made simply and quickly. When the operator rubs out a word or character, the exact widths of the deleted characters are restored to the memory and the remaining line length is automatically increased to its proper count.

The Electro/Set 475 Justifier eliminates loose and overset lines. All controls and displays are conveniently located. The line measure is easily set from dials in picas and points to a maximum of 99 picas and 11 points, a measure wide enough to meet the requirements of any typesetting machine on today's market. The electronic, illuminated display indicates line length remaining in picas and points. Minimum and maximum space band expansion are dialed in and calculated in thousandths of an inch.

Program Directly from Keyboard

The Electro/Set 475 multiple code keys are easily programmed directly from the keyboard by depressing a load key followed by the multiple code key to be programmed and then the data to be stored. Direct keyboard entry provides unlimited format versatility and reduces programming time to seconds.

Program from Photo-electric Reader

An optional photo-electric reader permits the operator to reprogram the Electro/Set 475 by pulling a master tape (created by the operator) through the reader. The program tape can change format on any one or all 16 multiple code keys. This permits the operator to save time and keystrokes in quickly and accurately reprogramming

continued

the multiple code keys. Simple controls allow master tapes to be generated while the operator is programming the multiple code keys or after the programming has been accomplished.

Double the Formats
An optional split code feature permits the selection of 32 formats from the 16 multiple code keys, thereby doubling the amount of formats. Each key will then generate a string of codes in a 16/16 or 32/32 code combination. Codes can be generated in a variety of structures on 6, 7, or 8 level perforated tape.

Floating Display
One simple control allows the operator to select the character size he prefers. And, depending on the size, 32 or 64 characters can be displayed at one time. Characters enter the Floating Display sequentially from the right, moving to left in a nine-by-seven dot matrix format This dot matrix technique provides the ultimate in character definition and does not distract the operator.

The Floating Display does not flicker and is equipped with a polarizing anti-glare device. Controls allow the operator to adjust intensity and density of the characters. In addition, a continuous display switch displays the characters only when the operator desires; a clear button clears the panel when desired.

When the operator rubs out a word or character on the tape, they are also automatically removed from the Floating Display.

Flexible
When you select an Electro/Set 475 you don't have to settle for a standard keyboard arrangement; keyboards can be customized to meet specific requirements. Keyboard arrangements, indicator lights, and code structures can be changed to meet particular needs. Result: maximum efficiency and greatest possible productivity.

Reliable
The Electro/Set 475 uses highly reliable electronics that are designed around MSI integrated circuits. Circuit boards can be changed in just minutes. And as added assurance of the continuous production of a large volume of tape, the Electro/Set 475 is backed by the VariTyper Division. Service and training are by locally based specialists.

Specifications—Electro/Set 475

Type
Electronic with MSI, LSI and other solid state circuitry

Output
Justified perforated paper tape; 6 level advanced feed on 7/8" tape; 6, 7 or 8 level in-line feed on 7/8" or 1" tape

Number of Keys
90 keys — all on keyboard

Shift
Available with either Teletypesetter* or secretarial shift keys

Indicator Lights
Power on-off; upper rail; shift; magazine position 1, 2, 3, 4, 5 and 6; numeric line length remaining; justification range; concurrent justification range; memory load; check mode

*TM of VariTyper Division

Controls
Return/elevate; memory load; memory check; key split; punch off; justifier module off; font data multiplier selection; automatic justification

Punch Speed
50 characters/second

Last Word Delete
Optional; deletes last word by a single keystroke

Mono-Mode Module
Optional; provides one changeable 64 character code structure on one module; code structure selection by manual change of plug-in circuit board

Tri-Mode Module
Optional; provides three changeable 64 character code structures on one module; code structure selection by a single keystroke

Parity Checks
Available with mono or tri-mode modules; even or odd

Add 7 and Add 8
Available with 8 level punch; adds 7 and/or 8 level code to standard TTS* or other code structure

Dimensions
Keyboard: Width 22"; Height 9 1/8" (without copyholder) — 17 5/8" (with copyholder); Depth: 20", Justifier Module: Width 12"; Height 9"; Depth 21"

Weight
Keyboard: 58 lbs.; Justifier Module: 25 lbs.

Power
115 VAC; 50-60 HZ; 230 VAC; 50 HZ (optional)

Color
Beige and gray

Model Electro/Set 475—Equipment Designations

E/S 475-1	Photon 713	E/S 475-30	Compugraphic 2961 TL
E/S 475-5	Photon Pace Setter	E/S 475-31	Compugraphic 4961 TL
E/S 475-10	Mergenthaler Super Quick	E/S 475-32	Compugraphic ACM 9000
E/S 475-11	Mergenthaler VIP	E/S 475-40	Fairchild 2020/4000
E/S 475-12	Mergenthaler Linotron 505	E/S 475-41	Fairchild Compo/Mix 100
E/S 475-13	Mergenthaler Linecasting Machine	E/S 475-50	AM 725
E/S 475-20	Intertype Fototronic 1200	E/S 475-51	AM 707
E/S 475-21	Intertype Fototronic TXT	E/S 475-52	AM 744
E/S 475-22	Intertype Linecasting Machine	E/S 475-53	AM 747
E/S 475-23	Intertype Fototronic 600	E/S 475-62	Photomix 70

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